GOVERNMENT OF INDIA
SPACE
LOK SABHA

UNSTARRED QUESTION NO:1539
ANSWERED ON:15.07.2009
LAUNCH OF DEDICATED SATELLITES BY ISRO
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Will the Minister of SPACE be pleased to state:

(a) whether the Indian Space Research Organisation (ISRO) proposes to launch dedicated satellites particularly Ocean, communication, surveillance etc., in the coming years;

(b) if so, the details thereof including the indigenous satellites likely to be launched by ISRO; and

(c) the benefits that are likely to accrue as a result thereof?

Answer

MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE, MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES & PENSIONS, MINISTRY OF PARLIAMENTARY AFFAIRS , MINISTRY OF SCIENCE & TECHNOLOGY AND MINISTRY OF EARTH SCIENCES (SHRI PRITHVIRAJ CHAVAN):

(a) Yes, Sir.

(b) The details of satellites proposed to be launched in 2009 are :

(i) Oceansat-2:

This satellite replaces Oceansat-1, which is meant for collecting data on the ocean surface colour and wind.

(ii) GSAT-4 :

This experimental communication satellite to demonstrate advanced technologies, scheduled to be launched in 4th quarter of 2009.

(c) The benefits which are likely to accrue from these satellites are as under:-

(i) Oceansat-2:
The data from this satellite is used for measurement of sea surface colour in multispectral bands, which is used to identify Potential Fishery Zones and also winds on the surface of the ocean, helping weather forecast.

(ii) GSAT-4 :
This satellite is used as a test bed for qualifying advanced communication satellite technologies, using KA band and associated satellite systems. The satellite is also used to demonstrate satellite technologies like ion propulsion, satellite tracking etc. In addition, this satellite will carry an experimental payload for satellite-based air navigation called Gagan, which improves the accuracy, availability and integrity of GPS signals.